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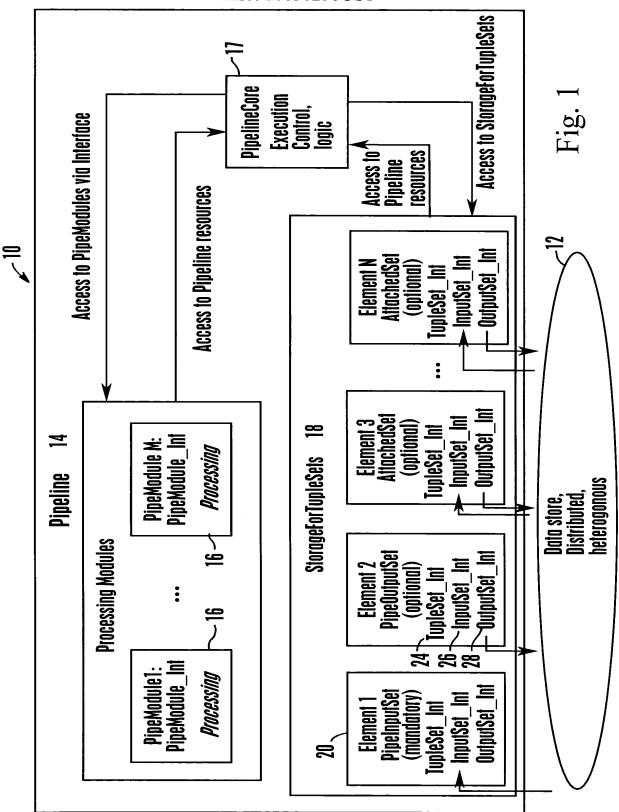
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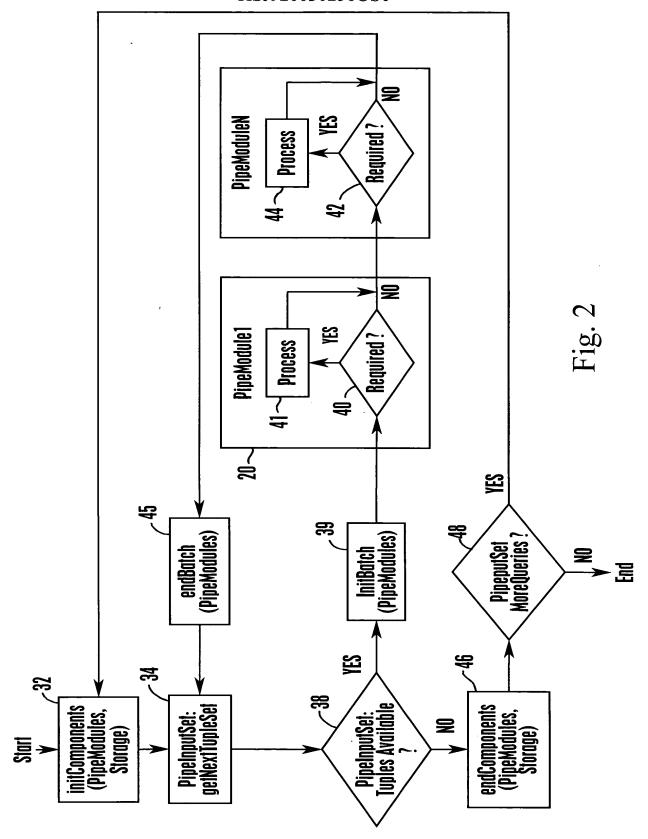
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### << interface>> Input Int

- getNextTupleSet(): TupleSet Int
- initComponent(): void
- endComponent(): void
- moreQueriesToRun(): boolean
- multipleOueriesAreRequired(): boolean
- getPipeline(): Pipeline
- setPipeline(Pipeline): void
- getValue(): Object
- getTimestampOfResult(): Timestamp

• . . .

Fig. 3

### << interface>> Output Int

- writeTuple(Tuple Int): void
- initComponent(): void
- endComponent(): void
- getPipeline(): Pipeline
- setPipeline(Pipeline): void

• • • •

Fig. 4

## << interface>> PipeModule Int

- execute(TupleSet\_Int): void
- initComponent(): void
- endComponent(): void
- initBatch(): void
- endBatch(): void
- getPipeline(): Pipeline
- setPipeline(Pipeline): void

• • • •

Fig. 5

## << interface>> TupleSet Int

<u>~ 24</u>

- getMetaInormation(...):...
- getColumnNames(): . . .
- addTuple(Tuple\_Int): void
- cursorToFirst(): void
- hasNext(): boolean
- next(): Tuple\_Int
- addColumn(...): void

• • • •

Fig. 6

#### << interface>> Tuple\_Int

- getObject(...): Object setObject(Object): void addValue(): void

- getTupleSet(): TupleSet\_Int

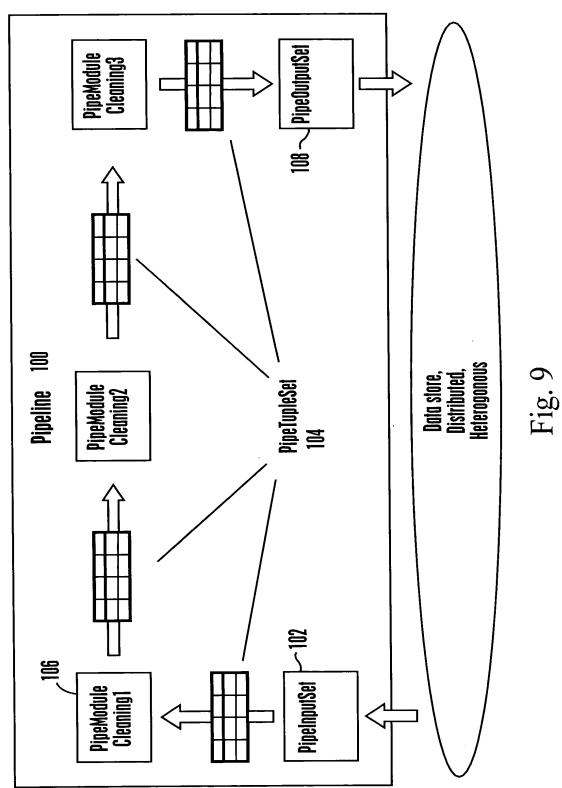
Fig. 7

#### **Pipeline**

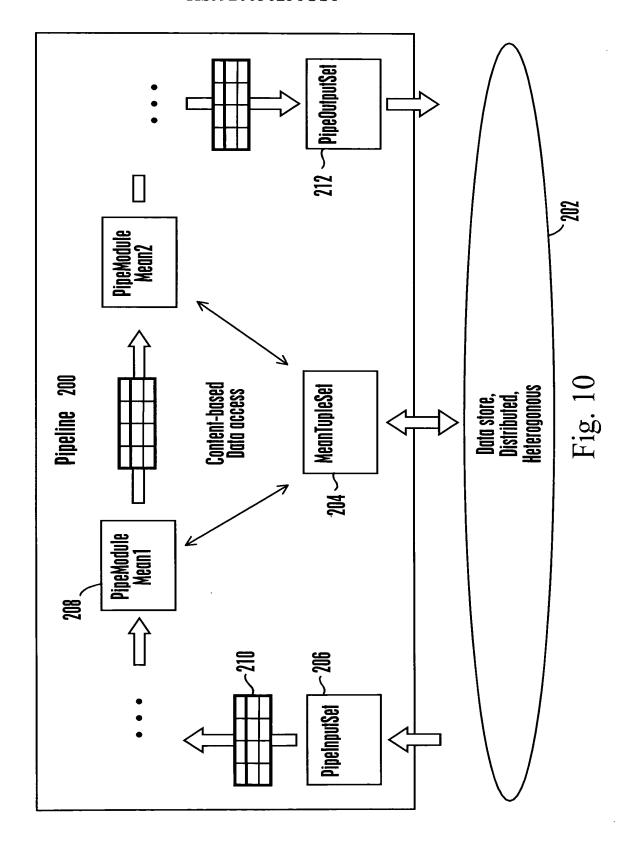
- getStorageForTupleSets(): StorageForTupleSets runPipe():
- addpipeModule(PipeModuleInt): Void

Fig. 8

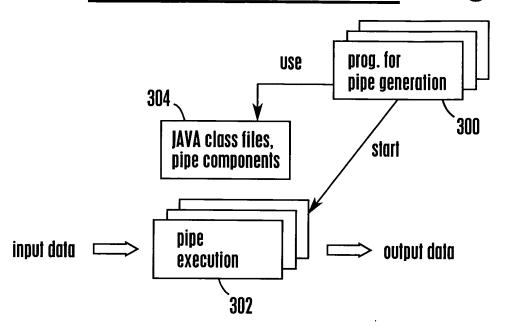
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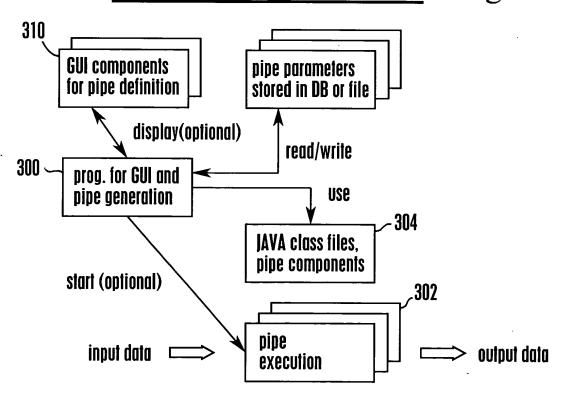
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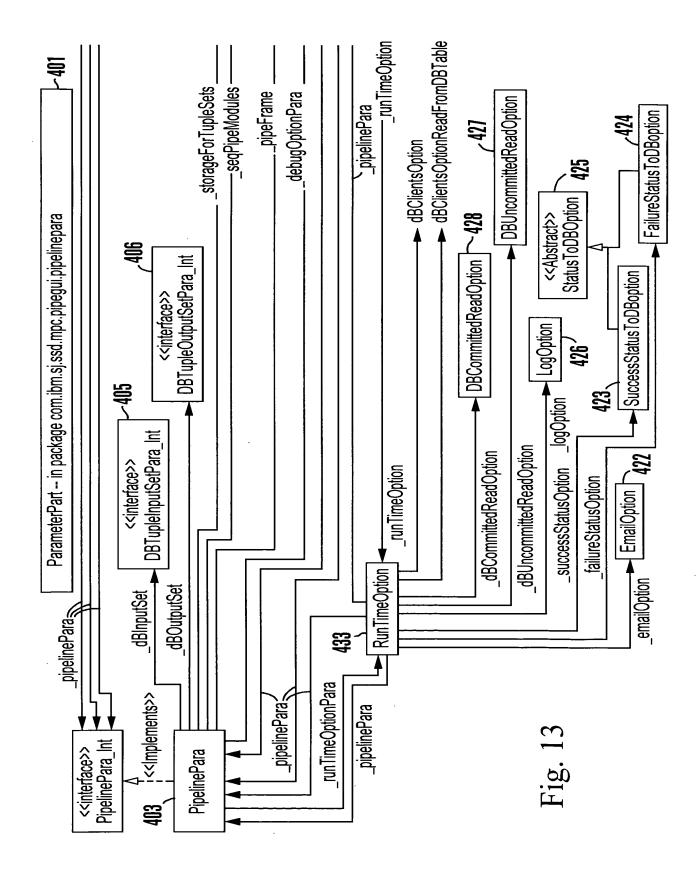
#### Pipe Definition/Execution -- Code Level Fig. 11

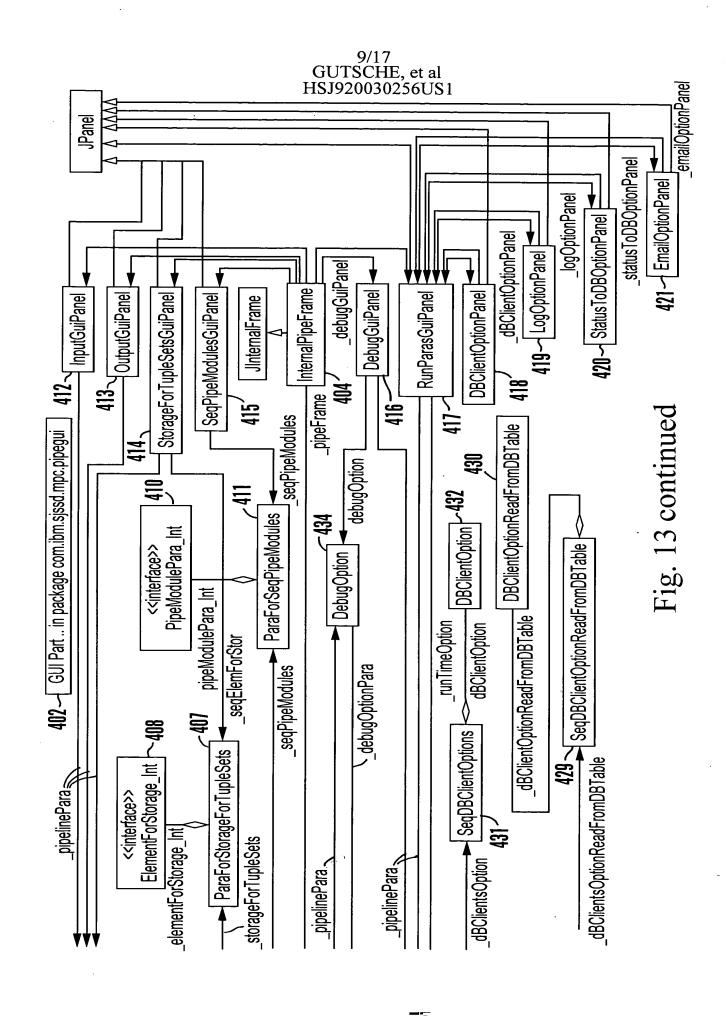


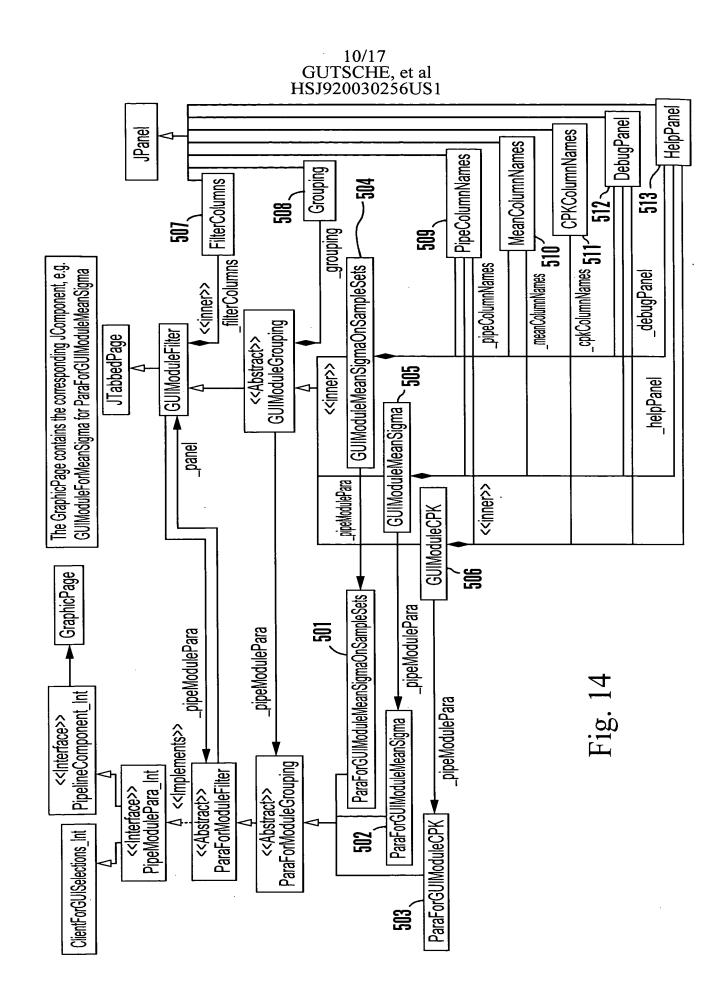
Pipe Definition/Execution -- GUI Level Fig. 12



8/17 GUTSCHE, et al HSJ920030256US1





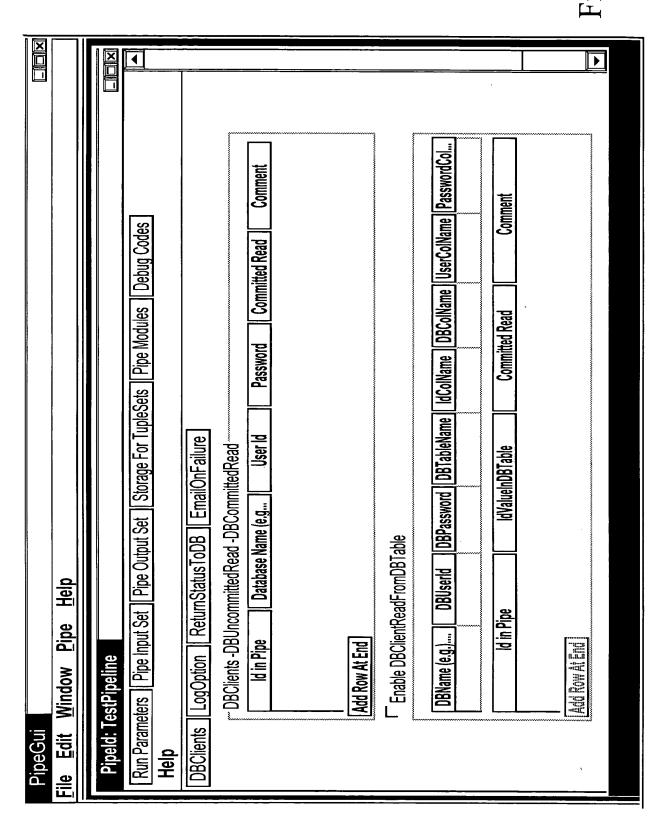


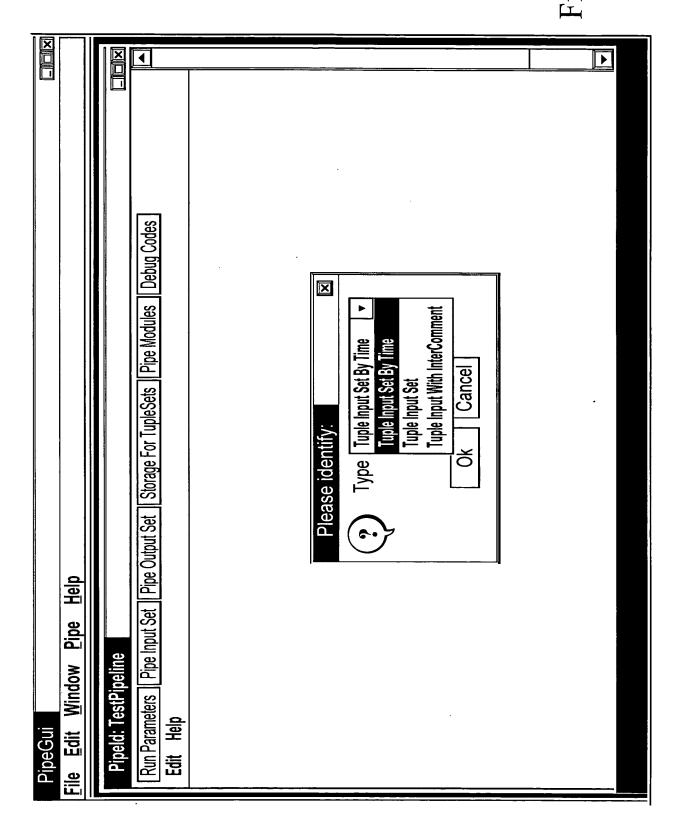
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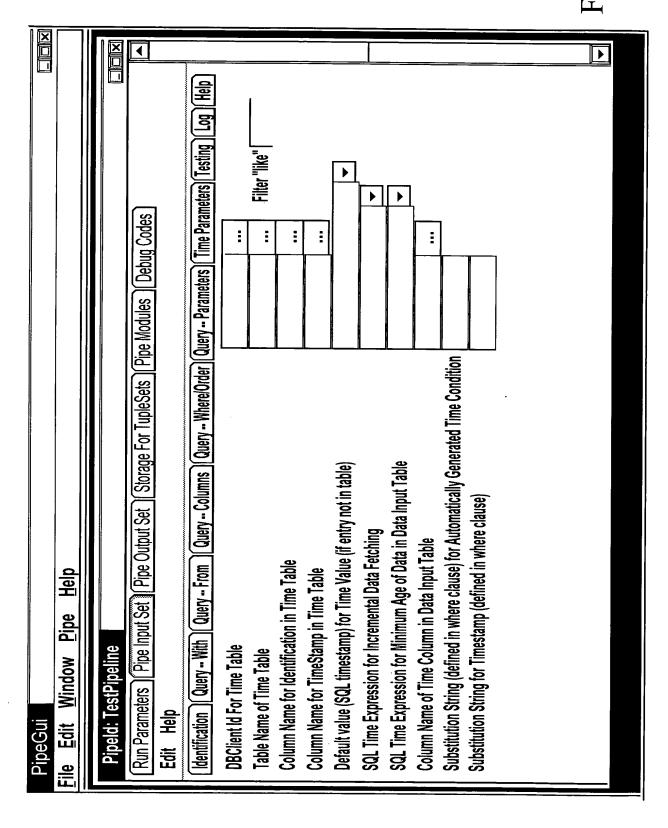
Fig. 15

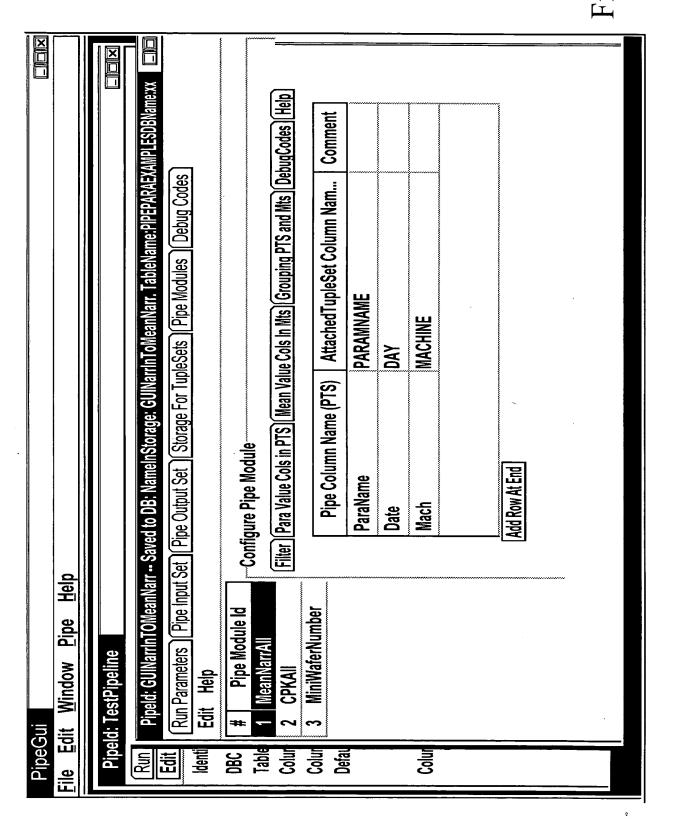
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Fig. 16









16/17 GUTSCHE, et al HSJ920030256US1

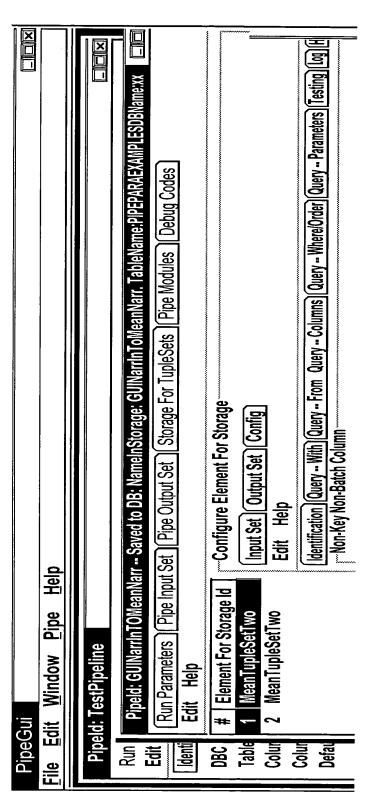


Fig. 21

SQL Column Definition   Column Name in Attached TupleSet   Condition   Comment	Definition     Column Name in AttachedTupleSet     Condition     Comment       Image: Condition     Comment
SQL Column Definition   Column Name in Attached TupleSet   Condition   Name in Attached TupleSet   Condition   Name in Attached TupleSet   Condition   Column Name in	Jefinition Column Name in Attached TupleSet Condition    Condition  Column Name in Attached TupleSet  Conditi
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Fig. 21 continued